



National Weather Service Preliminary Spring Flood Outlook

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National Weather Service – Des Moines, IA
February 11, 2021



Spring Flood Outlook



As of 2/8

River	Spring Flood Risk
Mississippi River above Rock River	Near Normal
Mississippi River below Rock River	Above Normal
Missouri River	Near Normal
Tributaries to Mississippi River in Iowa	Above Normal (esp. eastern lowa)
Tributaries to Missouri River in Iowa	Below Normal

Ice jams are also a risk
Amount, frequency and extent of future precipitation will be very important

National Weather Service 2021 Spring Flood Outlook Schedule

Thursday, February 11, 2021; Thursday, February 25, 2021 & Thursday, March 11, 2020

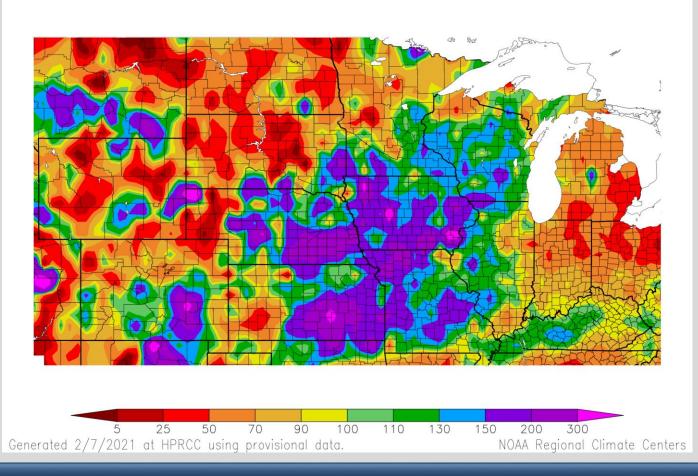




Precipitation % of Normal Past 30 Days



Percent of Normal Precipitation (%) 1/8/2021 - 2/6/2021

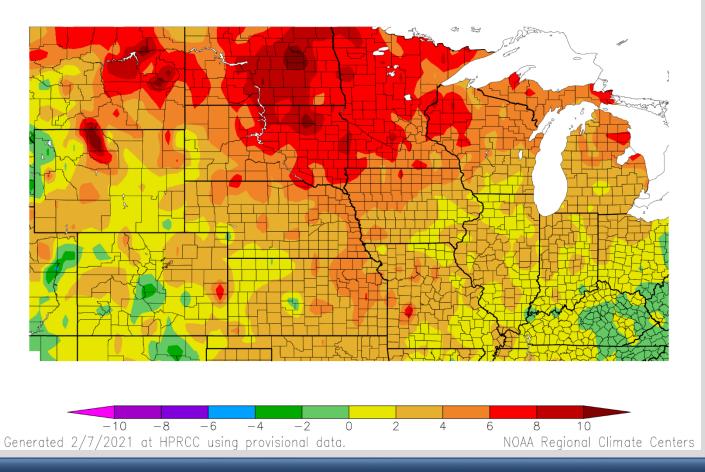




Temperature Dep from Normal Past 30 Days



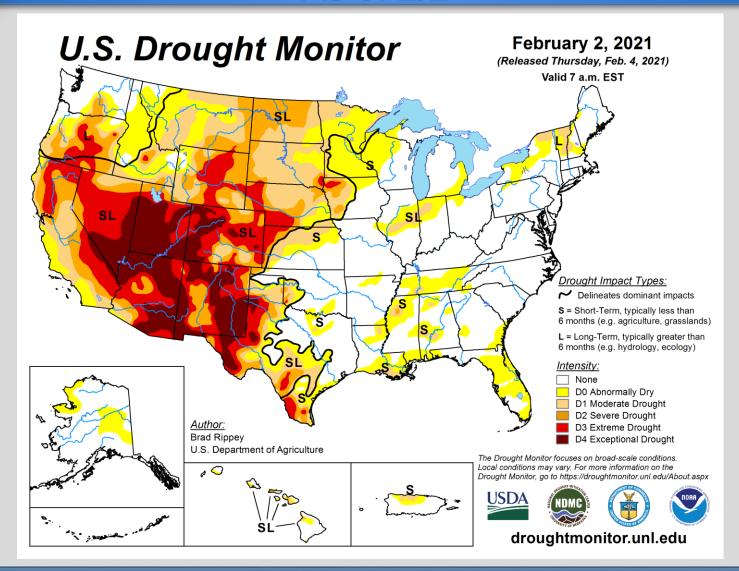
Departure from Normal Temperature (F) 1/8/2021 - 2/6/2021



NORR

Drought Monitor—Current Status

As of 2/2

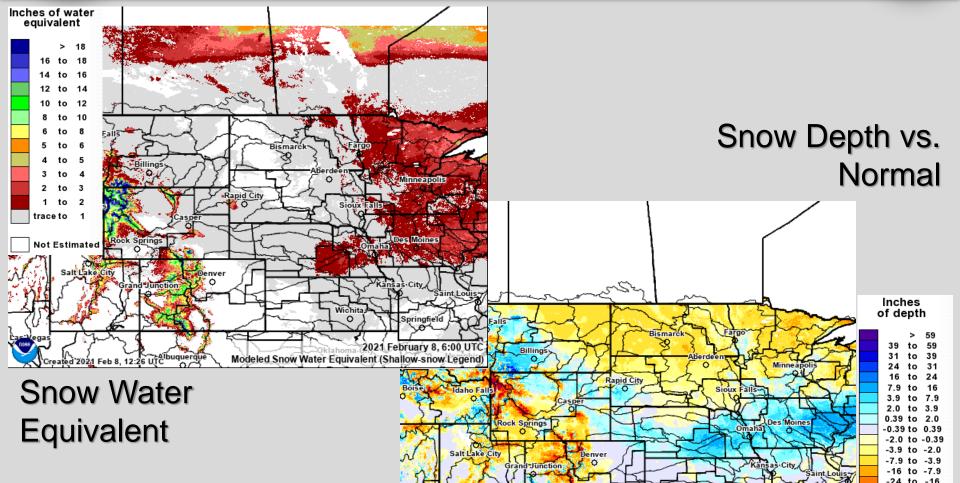






Snowpack Water Equiv & Depth vs. Normal, 2/8







-39 to -31 -59 to -39

Not Estimated

2021 February 8, 6:00 UTC

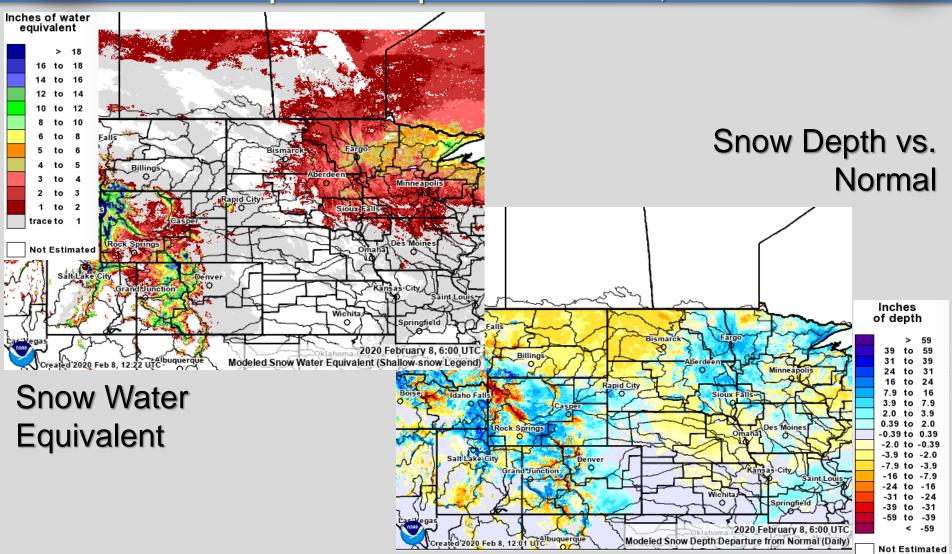
Modeled Snow Depth Departure from Normal (Daily)



Snowpack



Water Equiv & Depth vs. Normal, 2/8/2020

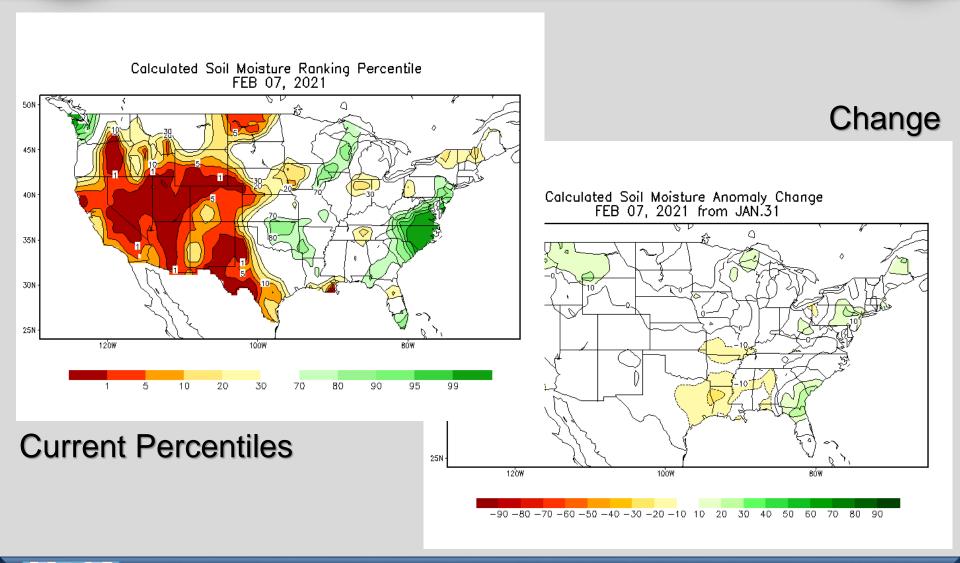




Soil Moisture Percentile



Current Values & Change, 2/7

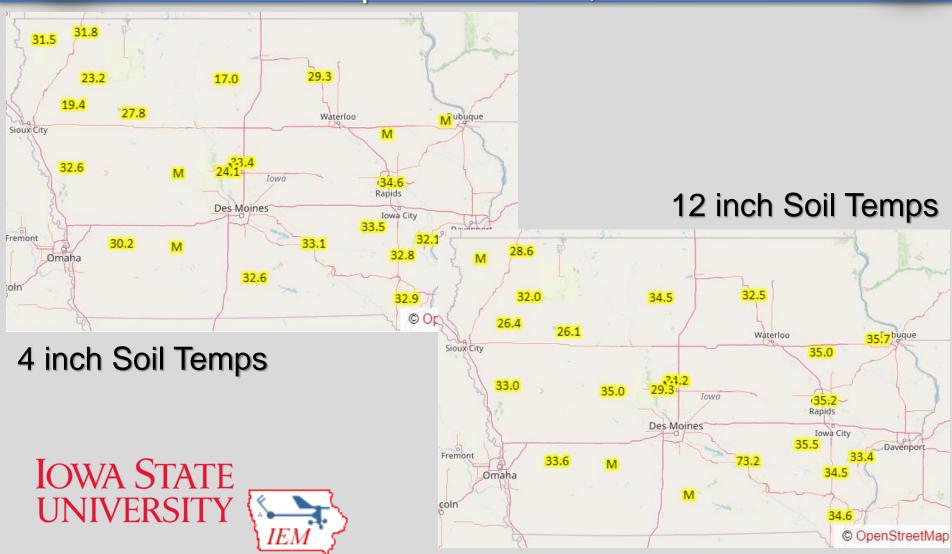






Soil Temperatures/Ground Frost

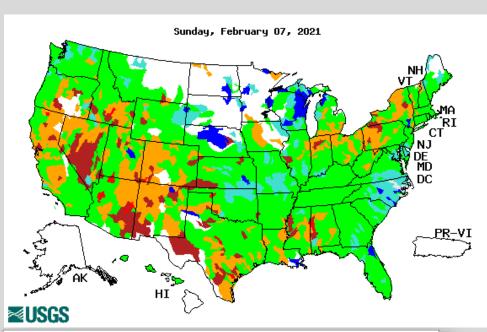
Temperatures in F, 2/8

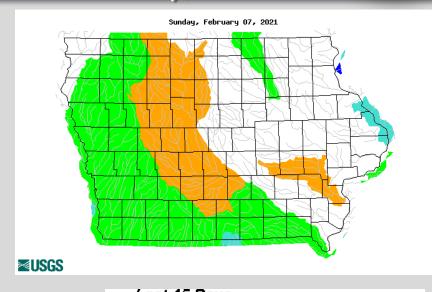


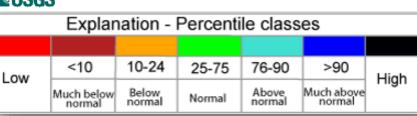


Current Streamflow Values vs. Normal (Percentiles), 2/8

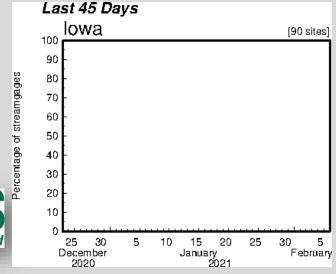










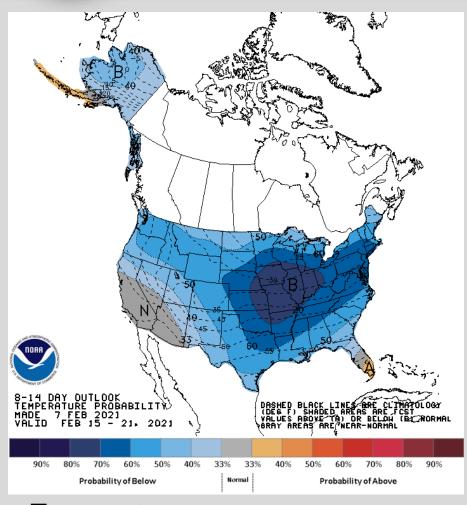


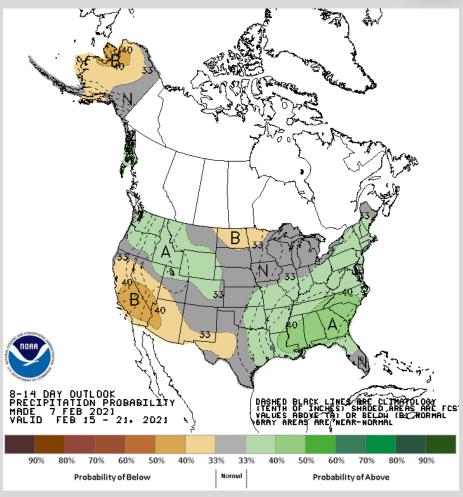




2-Week Temp/Precip Outlooks







Temperature

Precipitation

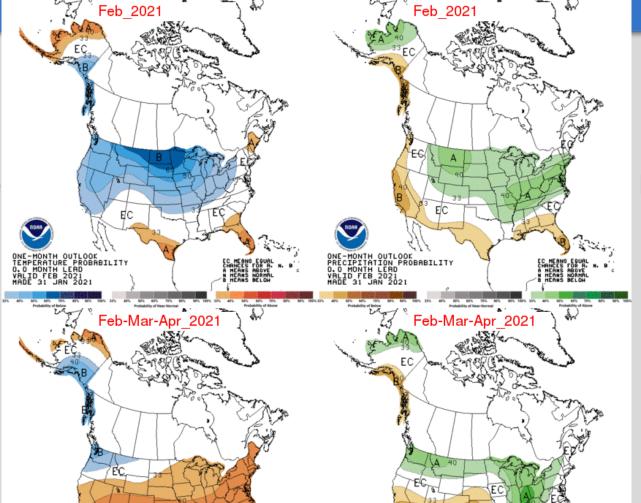




Temp/Precip Outlooks



Temperature on Left



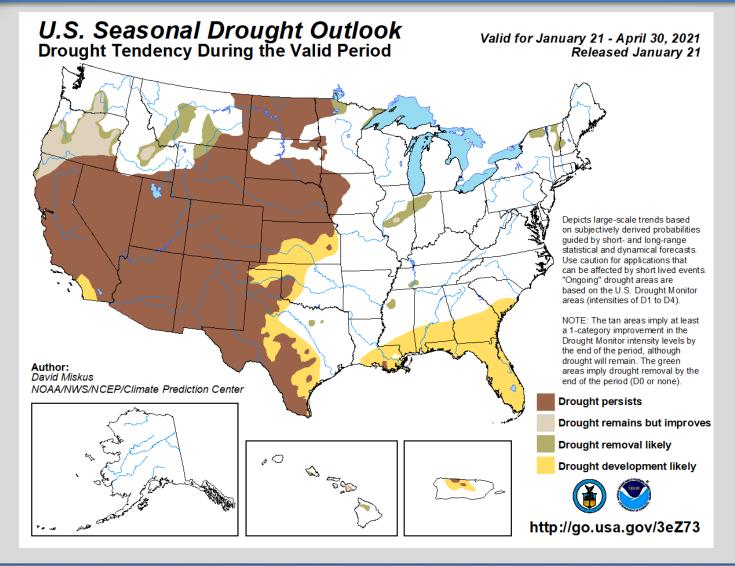
Precipitation on Right





Seasonal Drought Outlook







Spring Flood Outlook Factors



As of 2/8

Factor	Contribution to Flood Risk
Snowpack	Increased Risk
Soil Moisture	Neutral
Frost Depth	Lowered Risk
Streamflow/Stream Levels	Neutral
Precipitation Outlook	Neutral to Increased Risk



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Thank You



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